

GSA Participation in California Demand Reduction Programs

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Demand Reduction Programs

- Purpose: short-term load reduction to maintain grid
- New Programs:
 - California Energy Commission AB970 Programs
 - DR HVAC and Lighting
 - California ISO Summer 2001 DR Program
 - BUG part of program suspended

CEC DR HVAC Program

- Pays to install demand responsive HVAC or lighting capability
- Promise to actually operate
- Based on project cost, to max. per MW reduced
- Pays costs when test passed
- Issues: test protocol; how to baseline reduction; what is operating commitment

ISO Demand Reduction Program

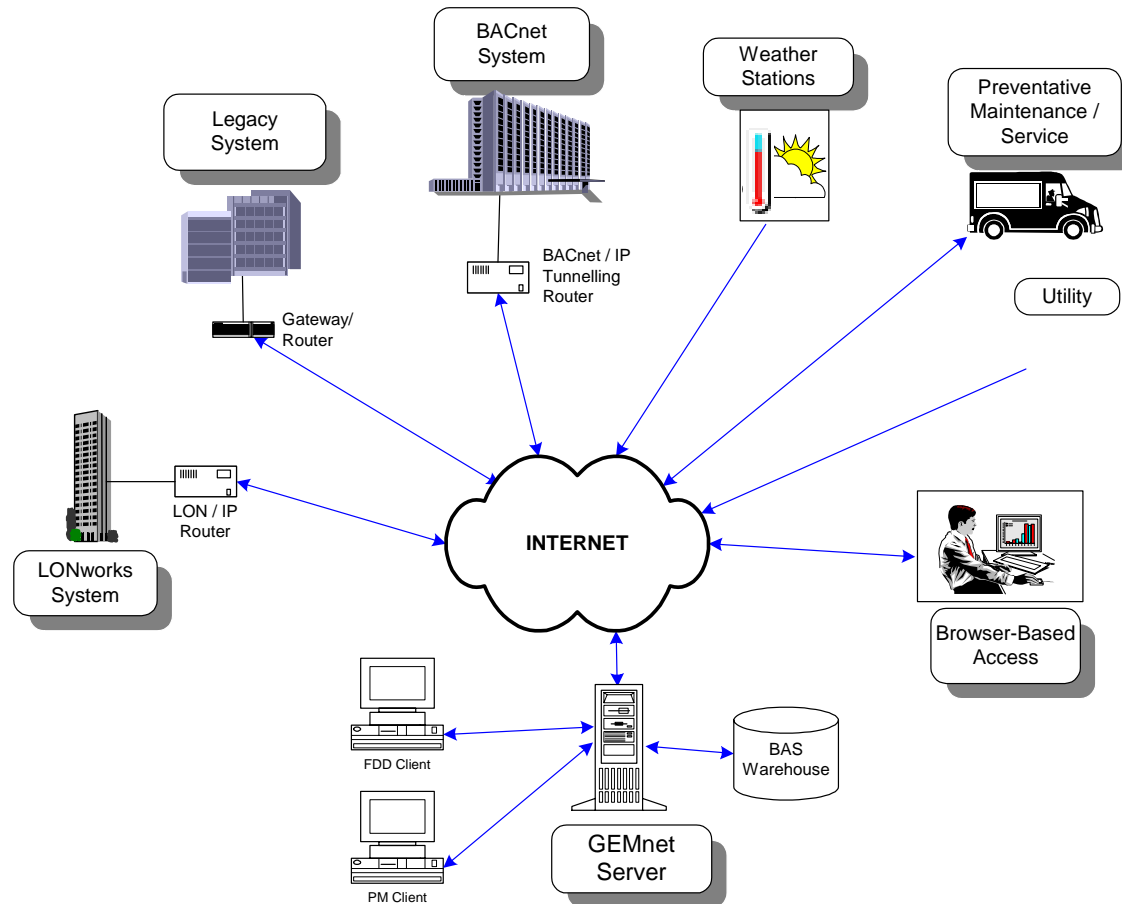
- Pays participation fee + price for each MWH actually reduced
- Operational program: pays for actual participation, not installation costs
- Issues: scheduling
coordinator/metering/settlement; weather (if shortage in cool weather due to outages etc.)

Implementation Platform:

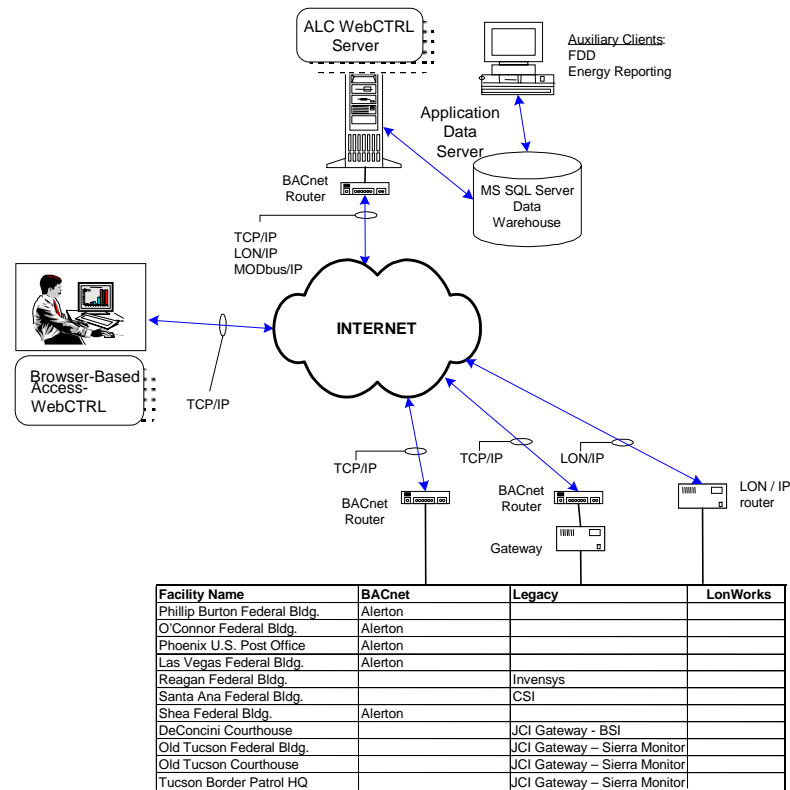
GEMnet

- “GSA Energy and Maintenance Network”
- Internet Based, Using ASP Service
- Supervisory OWS Shares Server/DBMS Platform with Enterprise Maintenance Management System, other Tools
- System Administrator for Data Integrity & to Manage Activities

Data Transfer Conceptualization



Pilot Phase Implementation



Network Architecture

(Most Current)

GEMnet Network Architecture

